

# Math Professional Development Grants

- AB 1331 established a grant program to fund in-service training aligned with the Content Standards for teachers who provide direct instruction in mathematics to pupils in grades 4 to 12.
- Reauthorization of this bill has been proposed and would expand to include coverage of peer coaching, stipends, etc.

# Governor's Initiatives

- High School Teacher Institutes,
- including a Math Institute
- Late Elementary Mathematics Specialists
- High School Algebra Professional Development Institute
- Subject Matter Project Expansion

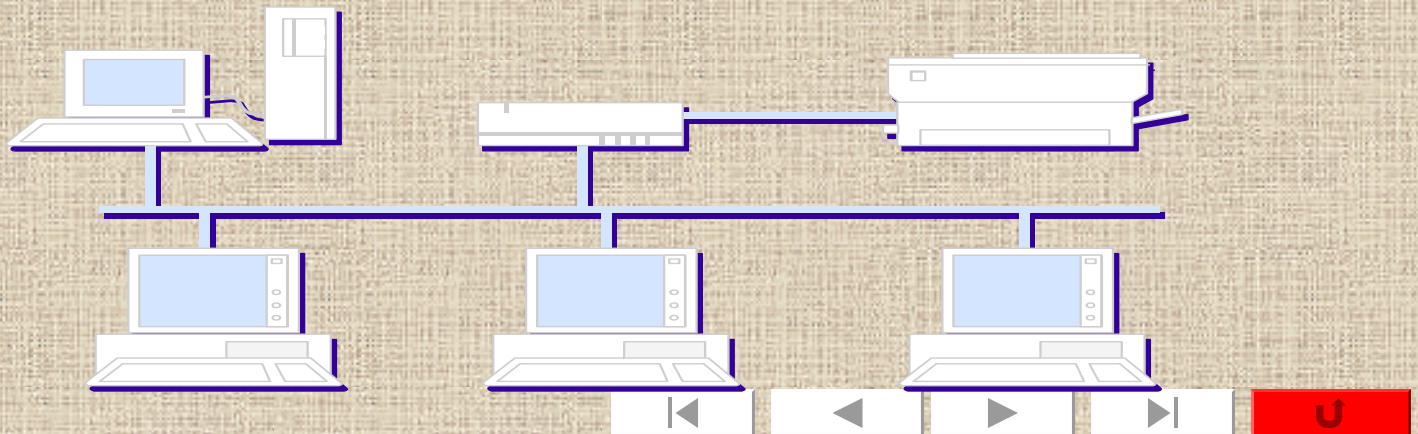




# Technology

## Chapter 9

Calculators /Computers/Internet  
Should be used as **tools** to do  
Mathematics



# Instructional Materials Criteria

## Ch. 10

**The criteria are organized into five general categories:**

- ▢ Mathematical Content and Alignment with Standards
- ▢ Program Organization
- ▢ Assessment
- ▢ Universal Access
- ▢ Instructional Support and Planning



# Wu's Points to Publishers



- Everything you write, write in mathematical reasoning.
- Make sure that the book is permeated with mathematical reasoning.
- Never decree anything by FIAT. Explain.
- Make clear distinctions between definition and theorem.
- Present the technical skills honestly.

# Wu's Points - continued



- Respect the coherence of math. Complete every thought you start.
- Write teacher's manuals with special attention to the math they need to know.
- No drill and kill.



Reasoning: Mathematics = Grammar: Writing

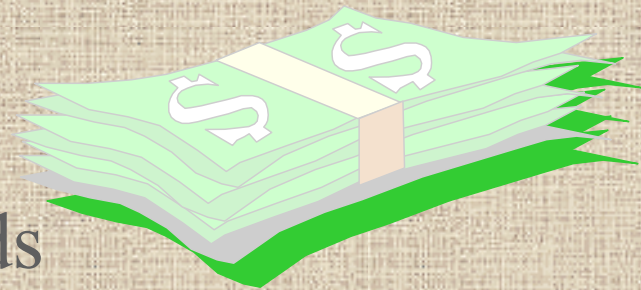


# Mathematics Timeline

- December 1997 - Standards approved
- December 1999 - Free Frameworks distributed to schools
- October 2000 - Deliberations by Content Review and Instructional Materials Advisory Panels
- January 2001 - Adoption action by State Board of Education

# Funding 1999-2000

- 9-12, Instructional Materials Fund (IMF)
- K-8, Instructional Materials Fund (IMF)
- Schiff-Bustamante Standards-Based Instructional Materials Program (AB 2041)
- Per Pupil Block Grant
- K-12, School Library Funds
- K-4, Classroom Library Funds





# Other Resources

- California Department of Education
  - <http://www.cde.ca.gov>
- California Mathematics Council
- California Mathematics Projects
- Eisenhower National Clearinghouse
  - <http://www.enc.org>
- Math Matters (Tom Lester, CDE)

# More Resources

- NCTM/NCSM website
  - <http://www.nctm.org>
- NSF website
  - <http://www.nsf.gov/>
- US Office of Education website
  - <http://www.ed.gov/>
- UCOP websites
  - <http://www.ucop.edu/>



# More Resources

- Source for information on grants  
<http://ccweb.akron.wnyric.org/EDU672/grant.htm>
- Math Forum website  
<http://forum.swarthmore.edu/>
- Homework Central website-[bigchalk.com](http://bigchalk.com)